

FIG. 1

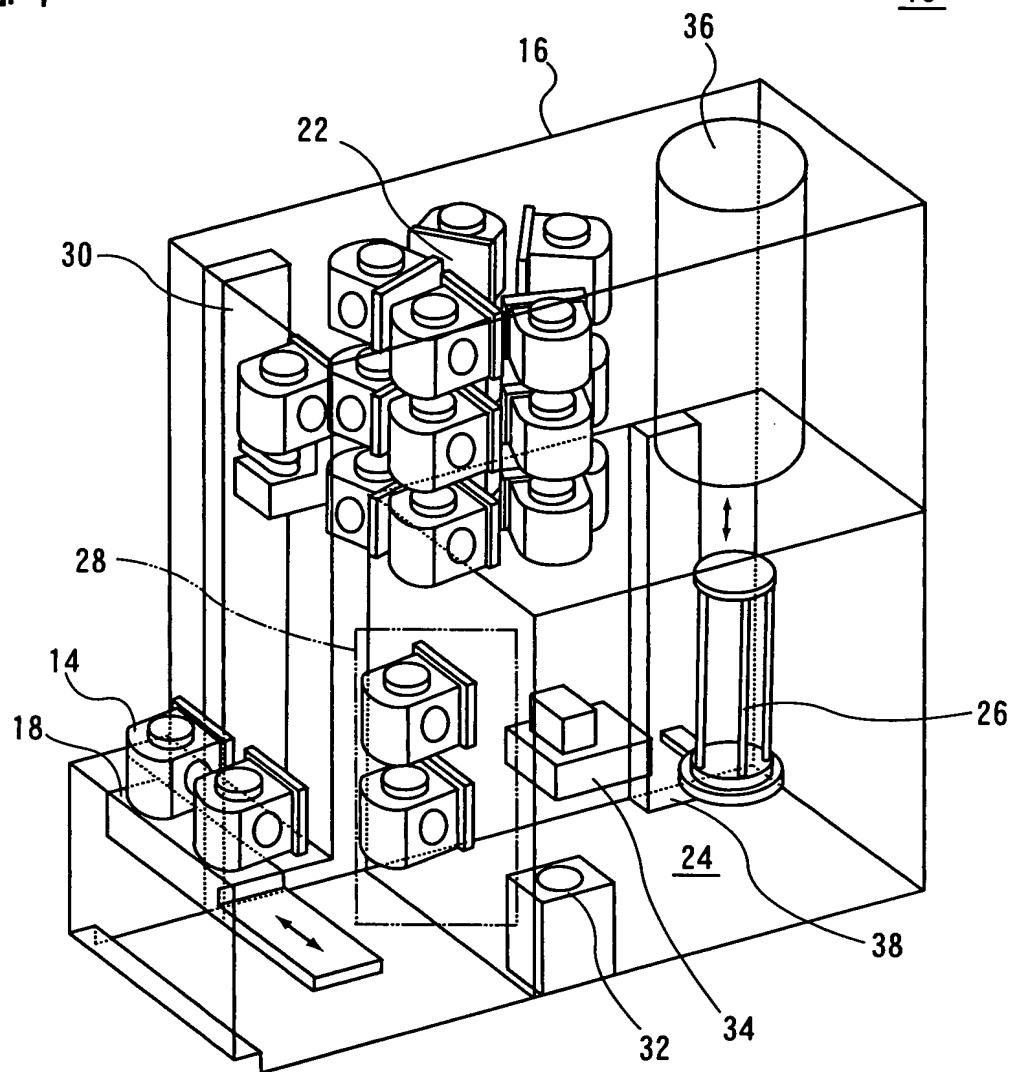
10

FIG. 2

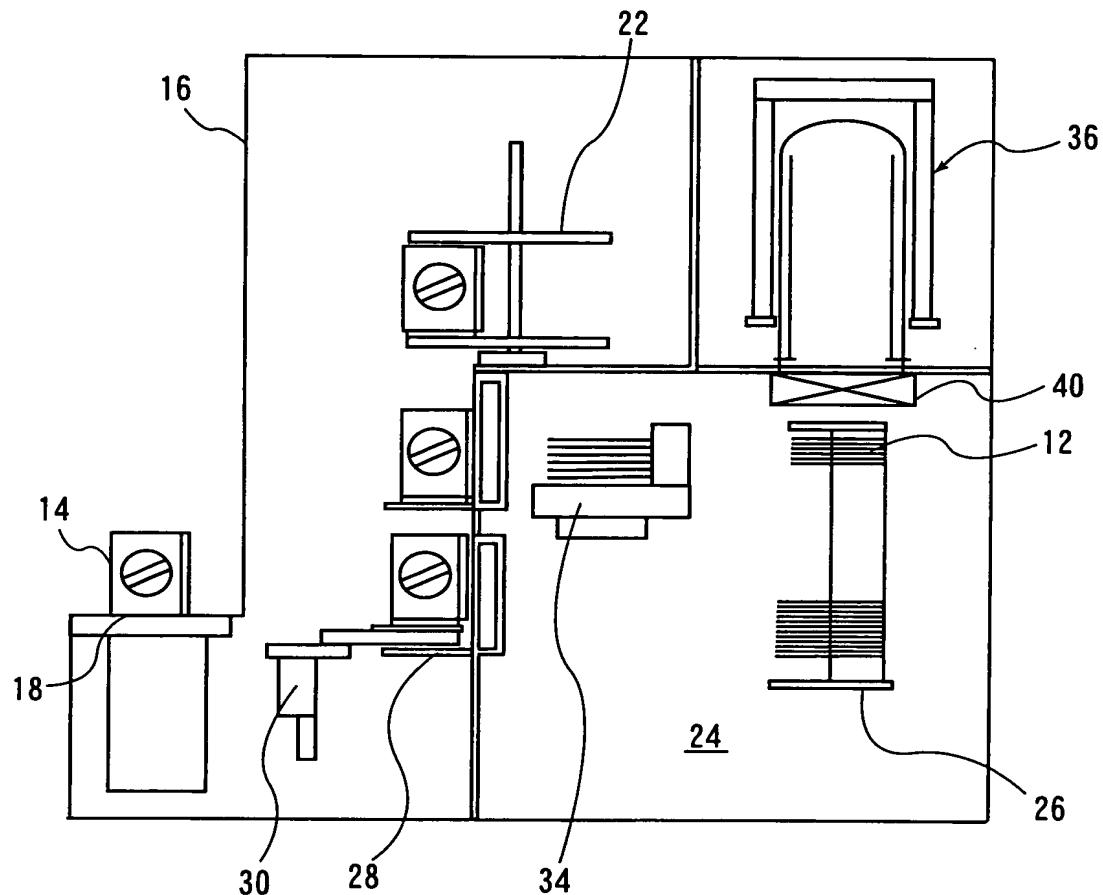
10

FIG. 3

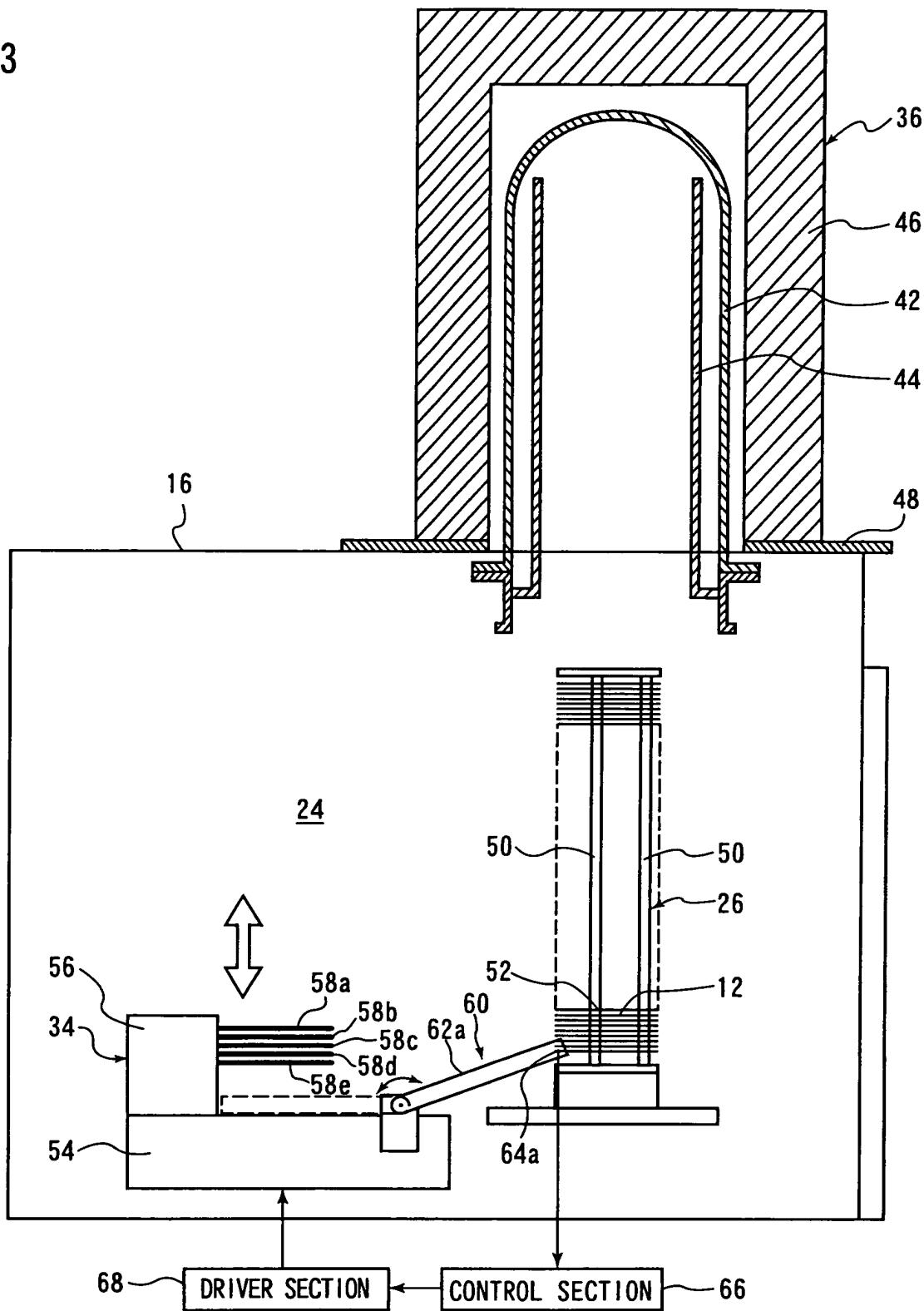


FIG. 4

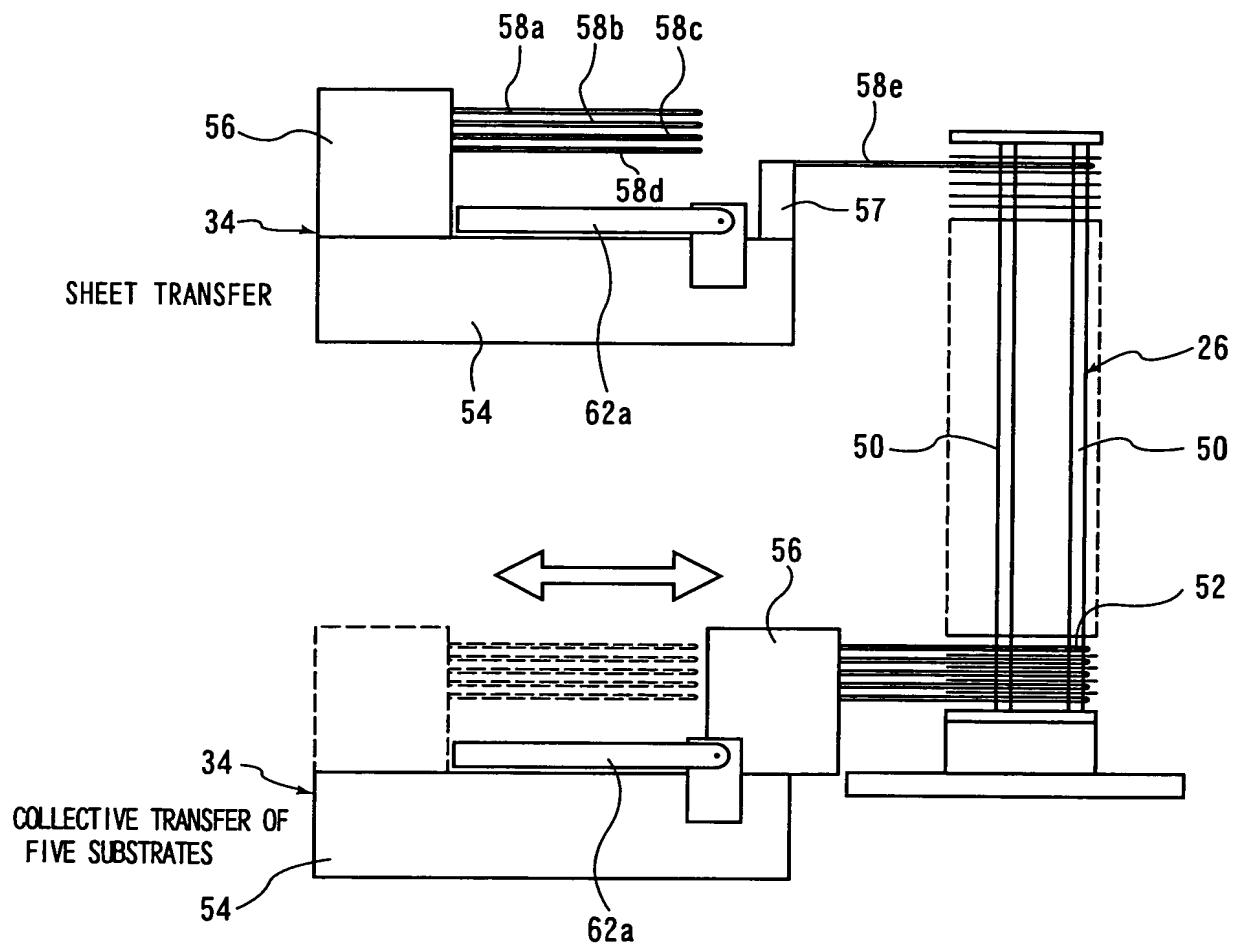


FIG. 5

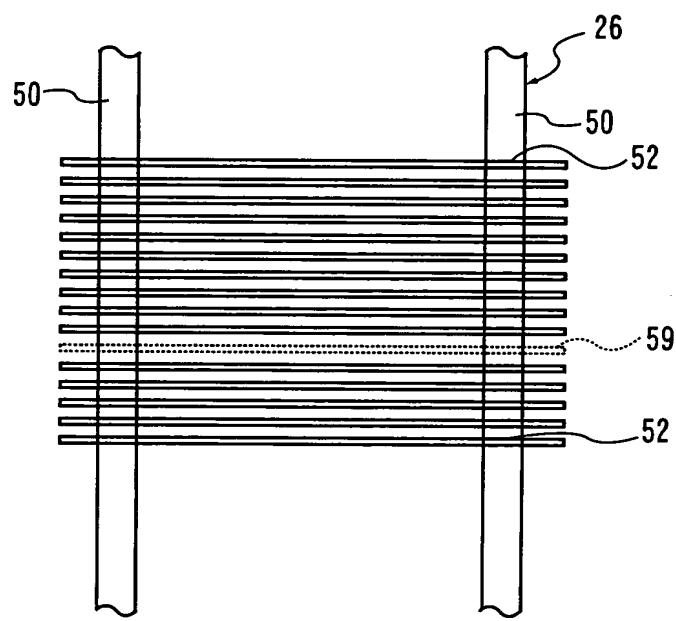
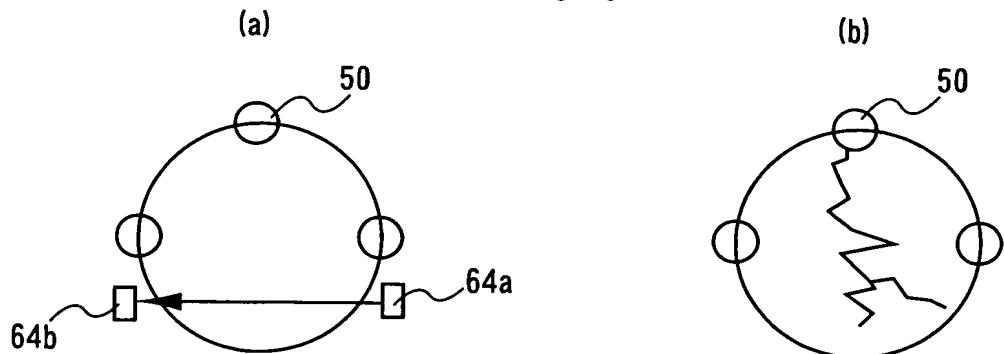
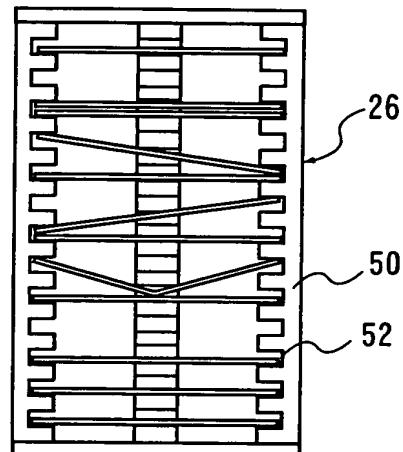


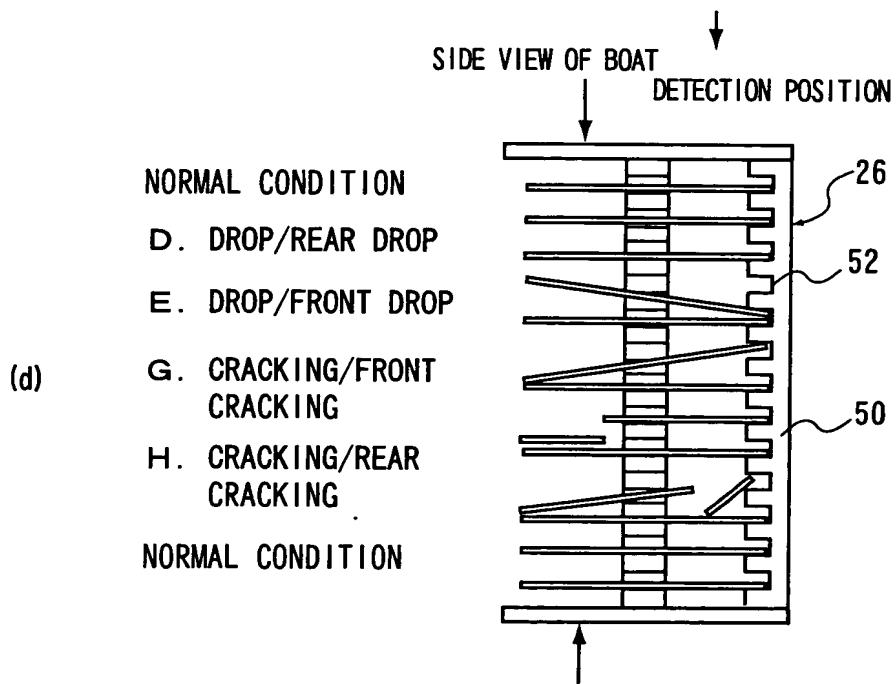
FIG. 6



- (a) A. DROP/IN PAIRS
- B. DROP/LIGHT-EMITTING SIDE DROP
- C. DROP/LIGHT-RECEIVING SIDE DROP
- F. CRACKING/CENTER CRACKING
- J. NORMAL SUBSTRATE CONDITION



FRONT VIEW OF BOAT ↑



- (d) NORMAL CONDITION
- D. DROP/REAR DROP
- E. DROP/FRONT DROP
- G. CRACKING/FRONT CRACKING
- H. CRACKING/REAR CRACKING
- NORMAL CONDITION

FIG. 7

SUBSTRATE CONDITION	SIDE VIEW	FRONT VIEW (FROM A TRANSFER UNIT SIDE)	DETECTION WAVEFORM
NORMAL CONDITION			
(a) DROP OF LEFT (RIGHT) FACE OF SUBSTRATE			
COMPLETE DROP OF SUBSTRATE			
BACK FACE DROP OF SUBSTRATE			
FRONT FACE DROP OF SUBSTRATE			

(b)

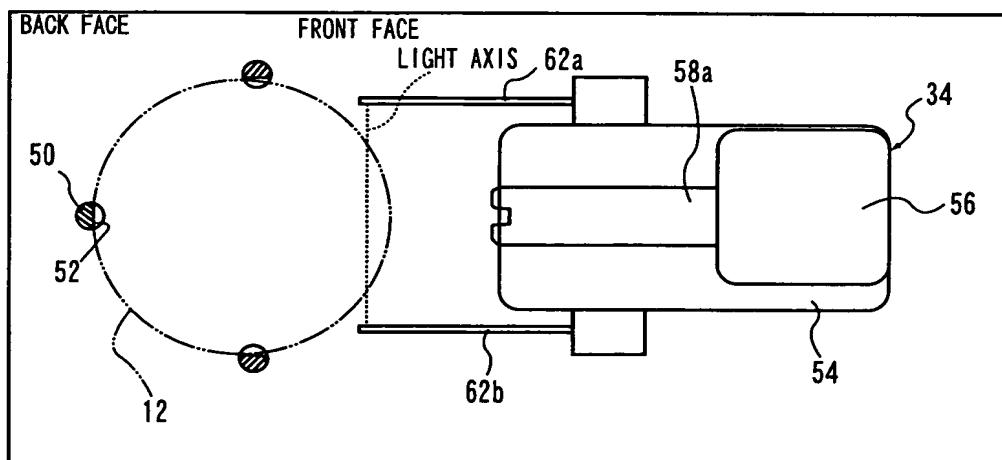


FIG. 8

